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Docket No.: PF-0678 US

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on May 9, 2000.
By: Kathleen K. Muto
Printed: Kathleen K. Muto

SN: 09/525867

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Yue et al.

Title: MITOCHONDRIAL PROTEINS

Serial No.: To Be Assigned

Filing Date: To Be Assigned

Examiner: To Be Assigned

Group Art Unit: To Be Assigned

Assistant Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL FEE SHEET

Sir:

Transmitted herewith are the following for the above-identified application:

1. Return Postcard;
2. Information Disclosure Statement (2 pp., in duplicate);
3. Form PTO-1449 (w/26 references cited) (2 pp., in duplicate); and
4. Ref. Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26.

☒ No fee is required.☐ Please charge Deposit Account No. 09-0108 the amount of \$0

The Commissioner is hereby authorized to charge any additional fees required under 37 CFR 1.16 and 1.17, or credit overpayment to Deposit Account No. 09-0108. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

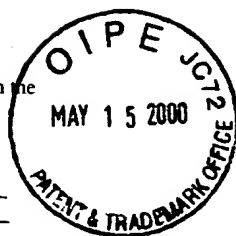
INCYTE PHARMACEUTICALS, INC.

Date: May 9, 2000

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Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicants wish to call to the attention of the Examiner the enclosed "List of References Cited by Applicants." The right is reserved to antedate any item in accordance with standard procedure.

Citation of the documents is not to be construed as an admission that the documents are necessarily prior art with respect to the instant invention. This submission is understood to complement the results of the Examiner's own independent search. Citation of the documents shall not be construed as a representation that a search has been made or that the cited items are inclusive of all the relevant and material citations that may be available publicly. Any NCBI report included herein may not have an accurate date for prior art purposes. Some of the documents may have markings thereon. No significance is meant to be attached to the markings.

Applicants respectfully request that the cited documents be considered by the Examiner and that an initialed copy of the List of References Cited by Applicants be returned to Applicants.

It is believed that this disclosure complies with 37 CFR §§ 1.56, 1.97 and 1.98 and the Manual of Patent Examining Procedures § 609. If for some reason the Examiner considers otherwise, please telephone the undersigned.



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Applicants believe that no fee is due with this paper. However, if the Commissioner determines that a fee is necessary, the Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Incyte Pharmaceuticals, Inc. Deposit Account No. **09-0108**. **A duplicate copy of this communication is enclosed.**

If there are any questions regarding the above, the Examiner is invited to call the undersigned at 650-855-0555.

Respectfully submitted,

INCYTE PHARMACEUTICALS, INC.

Date: May 9, 2000

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U.S. Department of Commerce, Patent and Trademark Office

Atty Docket No.

Serial No.

PF-0678 US

To Be Assigned

LIST OF REFERENCES CITED BY APPLICANTS

Applicant(s)

(Use several sheets if necessary)

Yue et al.

Filing Date

Group

To Be Assigned

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U.S. Patent Documents

*Examiner
InitialDocument
Number

Date

Name

Class

Subclass

Filing Date
If Appropriate

Foreign Patent Documents

Translation

Document

Date

Country

Class

Subclass

Yes

No

10 WO 99/40189

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PCT

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11 EP0559428B1

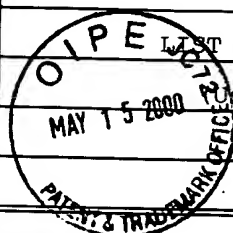
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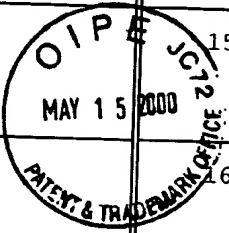
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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|----|---|
| 1 | Hogue, D.L. et al., "Identification and Characterization of a Mammalian Mitochondrial ATP-binding Cassette Membrane Protein", <i>J. Mol. Biol.</i> , (1999) 285, 379-389. |
| 2 | Cannon, B. et al., "Brown Adipose Tissue More Than an Effector of Thermogenesis?", <i>Ann. N.Y. Acad. Sci.</i> , (9/29/98) 856:171-87. |
| 4 | Lodish, H. et al., "Mitochondria and the Metabolism of Carbohydrates and Lipids", <i>Molecular Cell Biology</i> , 3d ed. (1995) pp.745-752. |
| 4 | Pfanner, N., "Uniform nomenclature for the protein transport machinery of the mitochondrial membranes", <i>Trends Biochem Sci</i> (Feb. 1996) 21(2):51-2. |
| 5 | Segui-Real, B. et al., "Functional independence of the protein translocation machineries in mitochondrial outer and inner membranes: passage of preproteins through the intermembrane space", <i>The EMBO Journal</i> , 12(5):2211-2218 (1993). |
| 6 | Pačes, Václav et al., "The β subunit of the mitochondrial processing peptidase from rat liver: Cloning and sequencing of a cDNA and comparison with a proposed family of metallopeptidases", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 90, pp. 5355-5358, June 1993. |
| 7 | Beal, M.F., "Mitochondrial dysfunction in neurodegenerative diseases", <i>Biochem. Biophys. Acta</i> 1366 (1998) pp. 211-223. |
| 9 | DiMauro, Salvatore et al., "Mitochondria and heart disease", <i>Current Opinion in Cardiology</i> , 13(3):190-7 (1998). |
| 9 | Susin, S.A. et al., "Mitochondria as regulators of apoptosis: doubt no more", <i>Biochim. Biophys. Acta</i> , 1366 (1998) pp. 151-165. |
| 12 | Arizmendi, J.M. et al., "NADH:ubiquinone oxidoreductase from bovine heart mitochondria, A fourth nuclear encoded subunit with a homologue encoded in chloroplast genomes", <i>FEBS Letters</i> , Vol. 301, n. 3, pp. 237-242 (April 1992). |
| 13 | Braun, H. et al., "Primary structure, cell-free synthesis and mitochondrial targeting of the 8.2 kDa protein of cytochrome c reductase from potato", <i>Biochim Biophys Acta</i> , 1188(3):367-372 (Dec. 30, 1994). |



	14	Arizmendi, J.M. et al., GenBank Sequence Database (Accession X65020), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 11256); Nov. 29, 1994
	15	Zhang, Q. et al., GenBank Sequence Database (Accession AF085361), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 5114056); June 22, 1999
	16	Jang, J.S. et al., GenBank Sequence Database (Accession AF176008), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 5815344); Sept. 15, 1999
	17	Wilks, J. et al., GenBank Sequence Database (Accession U31629), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 1172104); Jan. 31, 1996
	18	Stoneking, T. et al., GenBank Sequence Database (Accession AF104919), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 3859590); Nov. 11, 1998
	19	Wild, A., GenBank Sequence Database (Accession AL021366), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 3169115); Nov. 23, 1999
	20	Luo, W.Q. et al., GenBank Sequence Database (Accession AF106943), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 4454994); March 21, 1999
	21	Blattner, F.R. et al., GenBank Sequence Database (Accession AE000486), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 1790574); Nov. 12, 1998
	22	Seki, N. et al., GenBank Sequence Database (Accession AB007915), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 6634034); Dec. 23, 1999
	23	Cummings, P.N., GenBank Sequence Database (Accession Z70310), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 1246478); Dec. 14, 1999
	24	Wilson, R. et al., GenBank Sequence Database (Accession U21324), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 687879); March 2, 1995
	25	Lee, M.-C. et al., GenBank Sequence Database (Accession U86018), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 1835730); Feb. 10, 1997
	26	Braun, H., GenBank Sequence Database (Accession X79275), National Center for Biotechnology Information, National Library of Medicine, Bethesda, Maryland 20894 (GI 633686); July 6, 1995
Examiner		Date Considered
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>		